

Customer Information Sheet

DRAWING No.: M80-4C120FI-20-325

SHEET 2 OF 2

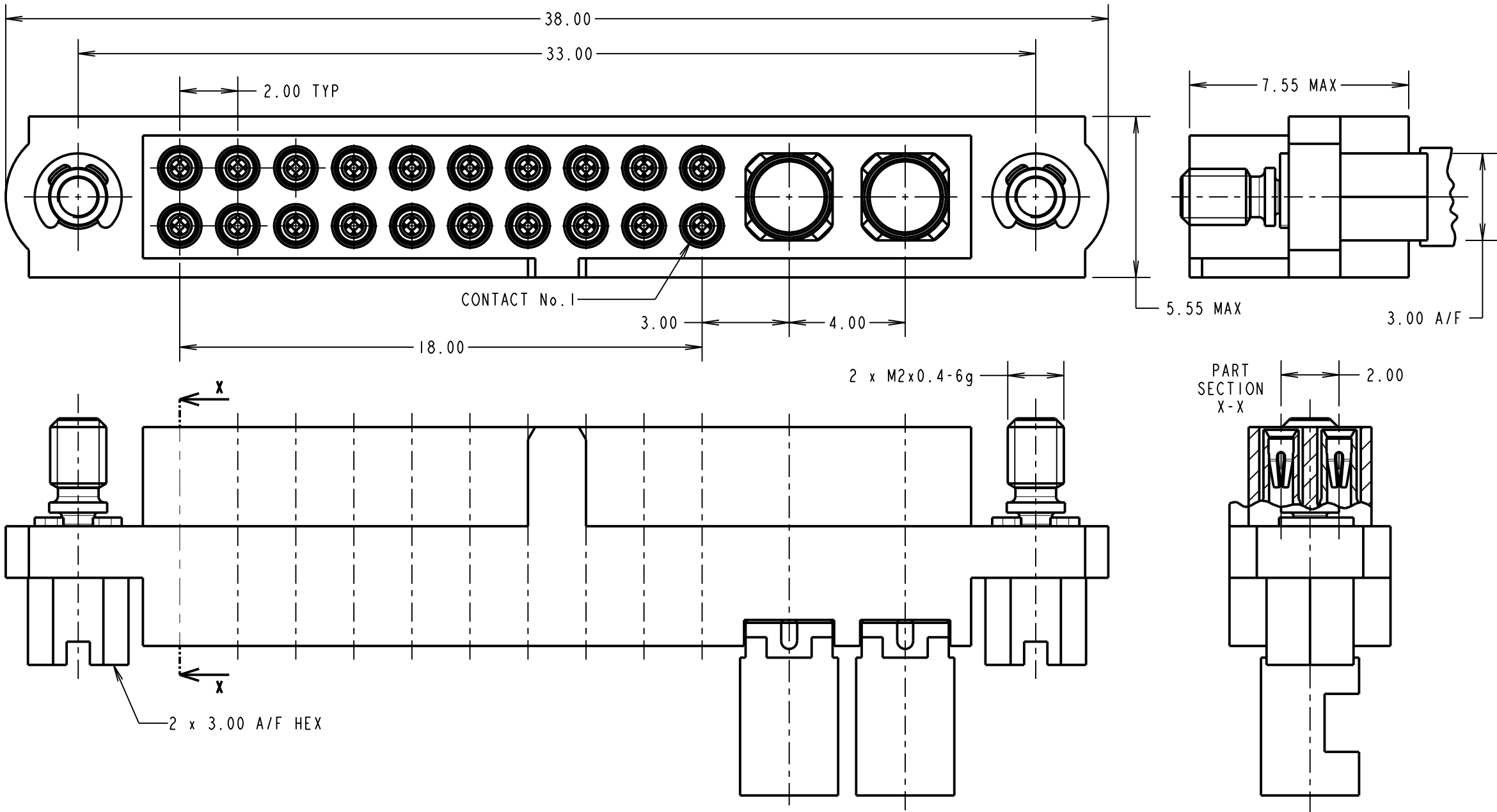
IF IN DOUBT - ASK

(C)

NOT TO SCALE

THIRD ANGLE PROJECTION

ALL DIMENSIONS IN mm



SPECIFICATIONS:

MATERIAL:

MOULDING = GLASS-FILLED PPS, UL94V-0, BLACK

JACKSCREW, CIRCLIP = STAINLESS STEEL

SIGNAL CONTACT:

CLIP = BERYLLIUM COPPER

SHELL = BRASS

POWER CONTACT

BODY = COPPER ALLOY

LATCHING COLLAR = BERYLLIUM COPPER

FINISH:

SIGNAL CONTACT:

CLIP = 0.3µ GOLD

SHELL = 3.5-5.0µ 100% TIN OVER NICKEL

POWER CONTACT

BODY = GOLD

LATCHING COLLAR = NICKEL

ELECTRICAL:

WORKING VOLTAGE = 120V AC/DC

VOLTAGE PROOF = 360V AC/DC

INSULATION RESISTANCE = 100 MΩ MIN

SIGNAL CONTACT:

CURRENT RATING AT 25°C = 3.0A MAX

CURRENT RATING AT 85°C = 2.2A MAX

CONTACT RESISTANCE = 25 mΩ MAX

POWER CONTACT:

CURRENT RATING = 20A MAX

CONTACT RESISTANCE = 6 mΩ MAX

MECHANICAL:

DURABILITY = 500 OPERATIONS

SIGNAL CONTACT:

INSERTION FORCE = 2.8N MAX

WITHDRAWAL FORCE = 0.2N MIN

POWER CONTACT:

INSERTION FORCE = 5N MAX

WITHDRAWAL FORCE = 0.5N MIN

ENVIRONMENTAL:

TEMPERATURE RANGE = -55°C TO +125°C

PACKING:

BAG

FOR COMPLETE SPECIFICATION, SEE COMPONENT SPECIFICATION C005XX (LATEST ISSUE)

NOTES:

- CONNECTORS ARE SUPPLIED AS A KIT OF PARTS. MOULDING AND JACKSCREWS ASSEMBLED WITH SIGNAL CONTACTS AND POWER CONTACTS LOOSE.
- FOR EXTRA SIGNAL CONTACTS, USE PART NUMBER M80-0130001. FOR EXTRA POWER CONTACTS, USE PART NUMBER M80-325.
- RECOMMENDED SIGNAL WIRE TYPE = BS 3G 210 TYPE A, PTFE INSULATED 24-28 AWG, MAX INSULATION DIAMETER = Ø1.10mm, STRIP WIRE BY 2.00mm. POWER CONTACT WIRE STRIP BY 5.00mm MINIMUM.
- RECOMMENDED HAND CRIMP TOOL FOR SIGNAL CONTACT = M22520/2-01 WITH POSITIONER T5747.
- SIGNAL CONTACT INSERTION AND EXTRACTION TOOL = Z80-280.
- POWER CONTACT EXTRACTION TOOL = Z80-290.
- INSTRUCTION SHEETS ARE AVAILABLE.

SM	I	24.09.10	10806
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APPROVED: S. MCCULLAGH			
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TOLERANCES

X. = ±1mm
X.X = ±0.25mm
X.XX = ±0.10mm
X.XXX = ±0.01mm

ANGLES = ±5°

UNLESS STATED

MATERIAL:

SEE ABOVE

FINISH: SEE ABOVE

S/AREA: mm²

TITLE: JACKSCREW DATAMATE
MIXED TECHNOLOGY VERTICAL
CRIMP FEMALE ASSEMBLY

DRAWING NUMBER:
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